

Message

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**From:** Qian, Yaorong [qian.yaorong@epa.gov]  
**Sent:** 9/16/2021 11:59:38 AM  
**To:** Nguyen, Thuy [Nguyen.Thuy@epa.gov]; Liang, Yan Ling [Liang.YanLing@epa.gov]  
**Subject:** RE: PFAS documents for clearance  
**Attachments:** B21-19 MDA Report 20210915.docx

Some minor corrections (not tracked).

Thanks,

Yaorong

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**From:** Nguyen, Thuy <Nguyen.Thuy@epa.gov>  
**Sent:** Wednesday, September 15, 2021 4:30 PM  
**To:** Liang, Yan Ling <Liang.YanLing@epa.gov>; Qian, Yaorong <qian.yaorong@epa.gov>  
**Subject:** RE: PFAS documents for clearance

Here is the latest  
Please take one more look at it before I send it to Kimberly  
Thanks  
Thuy

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**From:** Liang, Yan Ling <Liang.YanLing@epa.gov>  
**Sent:** Wednesday, September 15, 2021 4:13 PM  
**To:** Nguyen, Thuy <Nguyen.Thuy@epa.gov>; Qian, Yaorong <qian.yaorong@epa.gov>  
**Subject:** RE: PFAS documents for clearance

Yes, we only have field blanks and unused containers, unused matrix and field blank are the same, see my last sent edits

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**From:** Nguyen, Thuy <Nguyen.Thuy@epa.gov>  
**Sent:** Wednesday, September 15, 2021 4:12 PM  
**To:** Liang, Yan Ling <Liang.YanLing@epa.gov>; Qian, Yaorong <qian.yaorong@epa.gov>  
**Subject:** RE: PFAS documents for clearance

So the title of Table 4 is incorrect

Table 4. Results from field blank, unused containers and unused matrix from MDA and Bayer.

Field blank and unused matrix are same, right?

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**From:** Liang, Yan Ling <Liang.YanLing@epa.gov>  
**Sent:** Wednesday, September 15, 2021 4:06 PM  
**To:** Qian, Yaorong <qian.yaorong@epa.gov>; Nguyen, Thuy <Nguyen.Thuy@epa.gov>  
**Subject:** RE: PFAS documents for clearance

The blank provided by Bayer was labeled "field blank-PRD: Mineral oil"

I guess they call their production area the field...

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**From:** Qian, Yaorong <[qian.yaorong@epa.gov](mailto:qian.yaorong@epa.gov)>  
**Sent:** Wednesday, September 15, 2021 4:00 PM  
**To:** Nguyen, Thuy <[Nguyen.Thuy@epa.gov](mailto:Nguyen.Thuy@epa.gov)>; Liang, Yan Ling <[Liang.YanLing@epa.gov](mailto:Liang.YanLing@epa.gov)>  
**Subject:** RE: PFAS documents for clearance

Here it is.

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**From:** Nguyen, Thuy <[Nguyen.Thuy@epa.gov](mailto:Nguyen.Thuy@epa.gov)>  
**Sent:** Wednesday, September 15, 2021 3:47 PM  
**To:** Liang, Yan Ling <[Liang.YanLing@epa.gov](mailto:Liang.YanLing@epa.gov)>; Qian, Yaorong <[qian.yaorong@epa.gov](mailto:qian.yaorong@epa.gov)>  
**Subject:** RE: PFAS documents for clearance

Thanks for revising this  
I have few questions in the report. Can you please look at it again?  
Thanks  
Thuy

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**From:** Liang, Yan Ling <[Liang.YanLing@epa.gov](mailto:Liang.YanLing@epa.gov)>  
**Sent:** Wednesday, September 15, 2021 2:03 PM  
**To:** Qian, Yaorong <[qian.yaorong@epa.gov](mailto:qian.yaorong@epa.gov)>; Nguyen, Thuy <[Nguyen.Thuy@epa.gov](mailto:Nguyen.Thuy@epa.gov)>  
**Subject:** RE: PFAS documents for clearance

Yup, added, see attached

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**From:** Qian, Yaorong <[qian.yaorong@epa.gov](mailto:qian.yaorong@epa.gov)>  
**Sent:** Wednesday, September 15, 2021 1:56 PM  
**To:** Liang, Yan Ling <[Liang.YanLing@epa.gov](mailto:Liang.YanLing@epa.gov)>; Nguyen, Thuy <[Nguyen.Thuy@epa.gov](mailto:Nguyen.Thuy@epa.gov)>  
**Subject:** RE: PFAS documents for clearance

Let's include the blank production oil in table 4 as well. Thanks.

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**From:** Liang, Yan Ling <[Liang.YanLing@epa.gov](mailto:Liang.YanLing@epa.gov)>  
**Sent:** Wednesday, September 15, 2021 1:55 PM  
**To:** Qian, Yaorong <[qian.yaorong@epa.gov](mailto:qian.yaorong@epa.gov)>; Nguyen, Thuy <[Nguyen.Thuy@epa.gov](mailto:Nguyen.Thuy@epa.gov)>  
**Subject:** RE: PFAS documents for clearance

Yes, we analyzed both the production oil blank and 275-gal oil blank, both clean

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**From:** Qian, Yaorong <[qian.yaorong@epa.gov](mailto:qian.yaorong@epa.gov)>  
**Sent:** Wednesday, September 15, 2021 1:45 PM  
**To:** Liang, Yan Ling <[Liang.YanLing@epa.gov](mailto:Liang.YanLing@epa.gov)>; Nguyen, Thuy <[Nguyen.Thuy@epa.gov](mailto:Nguyen.Thuy@epa.gov)>  
**Subject:** RE: PFAS documents for clearance

Did we analyze the control oil from Bayer that we received along with the product samples? It should be clean as well.

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**From:** Liang, Yan Ling <[Liang.YanLing@epa.gov](mailto:Liang.YanLing@epa.gov)>  
**Sent:** Wednesday, September 15, 2021 1:22 PM  
**To:** Qian, Yaorong <[qian.yaorong@epa.gov](mailto:qian.yaorong@epa.gov)>; Nguyen, Thuy <[Nguyen.Thuy@epa.gov](mailto:Nguyen.Thuy@epa.gov)>  
**Subject:** RE: PFAS documents for clearance

Added, see attached

yan

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**From:** Qian, Yaorong <[qian.yaorong@epa.gov](mailto:qian.yaorong@epa.gov)>  
**Sent:** Wednesday, September 15, 2021 1:15 PM  
**To:** Liang, Yan Ling <[Liang.YanLing@epa.gov](mailto:Liang.YanLing@epa.gov)>; Nguyen, Thuy <[Nguyen.Thuy@epa.gov](mailto:Nguyen.Thuy@epa.gov)>  
**Subject:** RE: PFAS documents for clearance

I went through report and made some edits to address Michael Goodis's comments. Attached is the clean version. I also added a statement about the QC results. Yan, can you add Table 4 listing the results for containers (from MDA and Bayer and the clean matrix from Bayer)? Table 2 and 4 would be too crowded if we include the containers and blank matrix there.

Thanks,

Yaorong

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**From:** Liang, Yan Ling <[Liang.YanLing@epa.gov](mailto:Liang.YanLing@epa.gov)>  
**Sent:** Wednesday, September 15, 2021 12:21 PM  
**To:** Nguyen, Thuy <[Nguyen.Thuy@epa.gov](mailto:Nguyen.Thuy@epa.gov)>; Qian, Yaorong <[qian.yaorong@epa.gov](mailto:qian.yaorong@epa.gov)>  
**Subject:** RE: PFAS documents for clearance

The empty container results have been added to existing tables, see attached, thanks

yan

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**From:** Nguyen, Thuy <[Nguyen.Thuy@epa.gov](mailto:Nguyen.Thuy@epa.gov)>  
**Sent:** Wednesday, September 15, 2021 8:22 AM  
**To:** Liang, Yan Ling <[Liang.YanLing@epa.gov](mailto:Liang.YanLing@epa.gov)>; Qian, Yaorong <[qian.yaorong@epa.gov](mailto:qian.yaorong@epa.gov)>  
**Subject:** FW: PFAS documents for clearance

I revised the MDA report based on the comments from Mike (see attached). I also suggest we add a 3<sup>rd</sup> table with results of the rinsate from the unused containers

Yan – Can you do that quickly?

Thanks

Thuy

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**From:** Goodis, Michael <[Goodis.Michael@epa.gov](mailto:Goodis.Michael@epa.gov)>  
**Sent:** Tuesday, September 14, 2021 3:38 PM  
**To:** Nesci, Kimberly <[Nesci.Kimberly@epa.gov](mailto:Nesci.Kimberly@epa.gov)>; Messina, Edward <[Messina.Edward@epa.gov](mailto:Messina.Edward@epa.gov)>  
**Cc:** Ozmen, Shamus <[Ozmen.Shamus@epa.gov](mailto:Ozmen.Shamus@epa.gov)>; Lara, Rhina <[Lara.Rhina@epa.gov](mailto:Lara.Rhina@epa.gov)>; Ryan, Emily <[ryan.emily@epa.gov](mailto:ryan.emily@epa.gov)>; Garcia, Beth <[garcia.beth@epa.gov](mailto:garcia.beth@epa.gov)>; Walsh, Linsey <[Walsh.Linsey@epa.gov](mailto:Walsh.Linsey@epa.gov)>; Picone, Kaitlin <[Picone.Kaitlin@epa.gov](mailto:Picone.Kaitlin@epa.gov)>; Dawson, Jeffrey <[Dawson.Jeff@epa.gov](mailto:Dawson.Jeff@epa.gov)>; Nguyen, Thuy <[Nguyen.Thuy@epa.gov](mailto:Nguyen.Thuy@epa.gov)>; Anderson, Neil <[Anderson.Neil@epa.gov](mailto:Anderson.Neil@epa.gov)>; Qian, Yaorong <[qian.yaorong@epa.gov](mailto:qian.yaorong@epa.gov)>; Liang, Yan Ling <[Liang.YanLing@epa.gov](mailto:Liang.YanLing@epa.gov)>  
**Subject:** RE: PFAS documents for clearance

A few clarification comments/edits in the attached. Thanks

Michael L. Goodis, P.E.  
Acting Deputy Director for Programs  
Office of Pesticide Programs  
Office of Chemical Safety and Pollution Prevention  
U.S. Environmental Protection Agency  
Washington, D.C.  
571-309-5497 (cell)

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**From:** Nesci, Kimberly <Nesci.Kimberly@epa.gov>  
**Sent:** Friday, September 10, 2021 11:15 AM  
**To:** Messina, Edward <Messina.Edward@epa.gov>; Goodis, Michael <Goodis.Michael@epa.gov>  
**Cc:** Ozmen, Shamus <Ozmen.Shamus@epa.gov>; Lara, Rhina <Lara.Rhina@epa.gov>; Ryan, Emily <ryan.emily@epa.gov>; Garcia, Beth <garcia.beth@epa.gov>; Walsh, Linsey <Walsh.Linsey@epa.gov>; Picone, Kaitlin <Picone.Kaitlin@epa.gov>; Dawson, Jeffrey <Dawson.Jeff@epa.gov>; Nguyen, Thuy <Nguyen.Thuy@epa.gov>; Anderson, Neil <Anderson.Neil@epa.gov>; Qian, Yaorong <qian.yaorong@epa.gov>; Liang, Yan Ling <Liang.YanLing@epa.gov>  
**Subject:** PFAS documents for clearance

Ed,

As you know, BEAD's Analytical Chemistry Branch has been working to complete 2 PFAS-related documents. Please see attached for those documents and our proposed process for releasing the documents and to whom. OCSPP Comms (Shamus and Rhina) is aware of these documents, as are Beth Garcia and ICRB, who will be coordinating communications with the Maryland Department of Ag, Maryland Department of the Environment, and Region 3. I'm copying them on this note to keep them in the loop.

- 1) **PFAS Oily Method** (titled B21-02) – This is a memorandum describing ACB's method for testing PFAS in oily substances. As you may recall, this method was very close to release until a couple of weeks ago when ACB determined that additional investigation of some of the results with more precise equipment would be needed to definitively conclude the presence of PFAS. That change is reflected in the attached method. For release, we propose the following:
  - a. Update PFAS Packaging Qs n As
  - b. Post on the web page at the following locations on 9/30: <https://www.epa.gov/pesticide-analytical-methods>; <https://www.epa.gov/pesticides/pfas-packaging>
  - c. OPP Update on 9/30. This update could also cover the MD results.
- 2) **Permanone Report** (titled B21-19) MDA report)– This report describes ACB's results of the testing of Permanone, a mosquito product in storage at the Maryland Department of Agriculture and identified by PEER as containing PFAS. As you may recall, additional testing at ACB concluded that this product does not contain PFAS. That is reflected in the attached report. For release, we propose the following:
  - a. Transmit to Maryland Depts of Ag and the Environment on 9/30; teleconference with Maryland to discuss on immediately following.
  - b. Coordinate with MD on communications to ensure alignment of messaging around ACB's results. Revised Qs n As accordingly.
  - c. If Maryland chooses to post, we can also post on the following page under the Q on Permanone 30-30 <https://www.epa.gov/pesticides/pfas-packaging#info>

In discussing with Cheryl, Comms is recommending we do the above on 9/30 to follow announcement of the national PFAS strategy (~9/24). In addition, Comms is planning to discuss this during their general with Michal next week.

Please let us know if you are OK with this approach, and we'll proceed as described above in partnership with Shamus, Rhina, Beth, and Kaitlin's group, along with signing and PDFing complete documents on the day of release.

HUGE thanks to Thuy, Yaorong, and Yan for their hard work on this issue, excellent communications, and willingness to participate in the many external meetings & conversations around this controversial topic. Thank you, ACB!

Best,  
Kimberly

Kimberly Nesci, Director  
Biological and Economic Analysis Division (BEAD)  
Office of Pesticide Programs  
Office of Chemical Safety and Pollution Prevention  
703-969-9109 (cell)